

ARG43800 anti-DCT / TRP2 antibody

Package: 50 µg
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes DCT / TRP2
Tested Reactivity	Hu, Ms, Rat
Tested Application	FACS, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	DCT / TRP2
Species	Human
Immunogen	Recombinant protein corresponding to aa. Q24-A519 of Human DCT / TRP2.
Conjugation	Un-conjugated
Alternate Names	L-dopachrome tautomerase; TYRP2; Tyrosinase-related protein 2; L-dopachrome Delta-isomerase; EC 5.3.3.12; TRP2; DCT; DT; TRP-2

Application Instructions

Application table	Application	Dilution
	FACS	1 - 3 µg/1x10 ⁶ cells
	WB	0.25 - 1 µg/ml
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Positive Control	rat testis tissue; C6 cell line; mouse testis; RAW264.7 cell line	
Observed Size	~ 60 kDa	

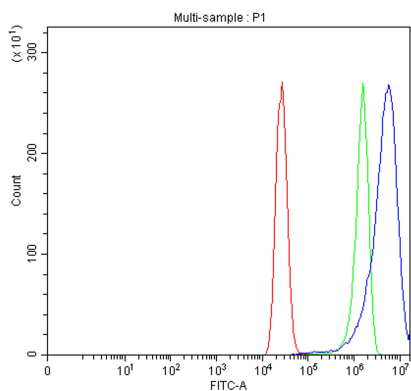
Properties

Form	Liquid
Purification	Affinity purification with immunogen.
Buffer	0.2% Na ₂ HPO ₄ , 0.9% NaCl and 4% Trehalose.
Stabilizer	4% Trehalose
Concentration	0.5 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

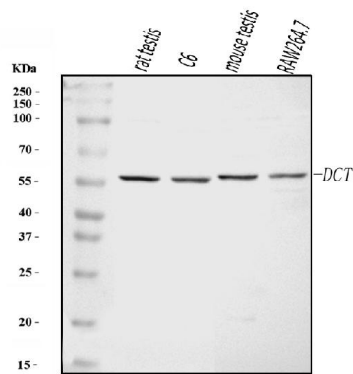
Gene Symbol	DCT
Gene Full Name	dopachrome tautomerase
Function	Involved in regulating eumelanin and phaeomelanin levels. [UniProt]
Calculated Mw	Isoform 1: 59 kDa Isoform 2: 63 kDa
PTM	Glycosylated. [UniProt]
Cellular Localization	Melanosome membrane; Single-pass type I membrane protein. Melanosome. Note=Proper trafficking to melanosome is regulated by SGSM2, ANKRD27, RAB9A, RAB32 and RAB38. [UniProt]

Images



ARG43800 anti-DCT / TRP2 antibody FACS image

Flow Cytometry: MCF-7 cells were blocked with 10% normal goat serum and then stained with ARG43800 anti-DCT / TRP2 antibody (blue) at 1 µg/10⁶ cells for 30 min at 20°C, followed by incubation with DyLight®488 labelled secondary antibody. Isotype control antibody (green) was rabbit IgG (1 µg/10⁶ cells) used under the same conditions. Unlabelled sample (red) was also used as a control.



ARG43800 anti-DCT / TRP2 antibody WB image

Western blot: rat testis tissue lysates, rat C6 whole cell lysates, mouse testis tissue lysates, mouse RAW264.7 cell lysates stained with ARG43800 anti-DCT / TRP2 antibody at 1:1000 dilution.